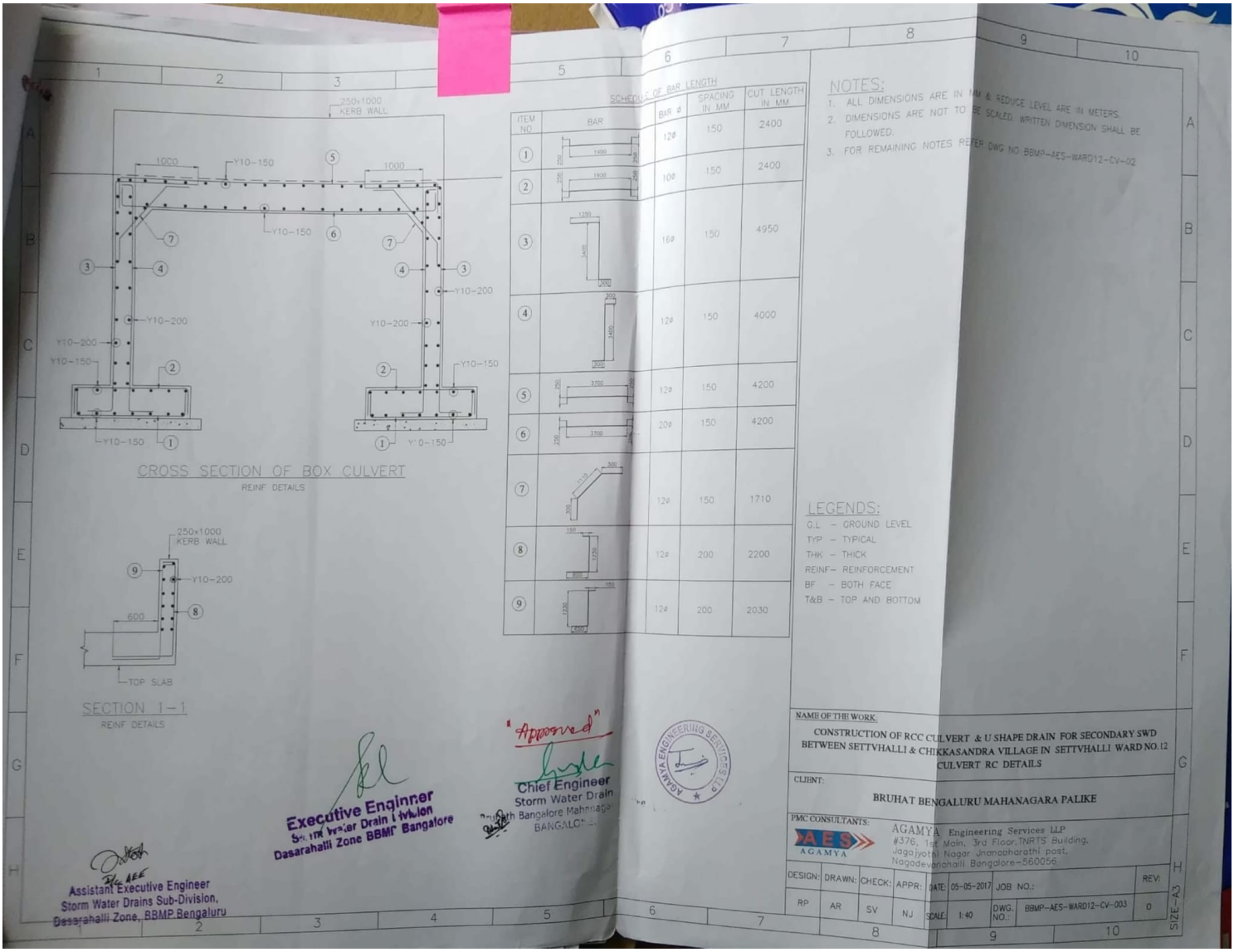

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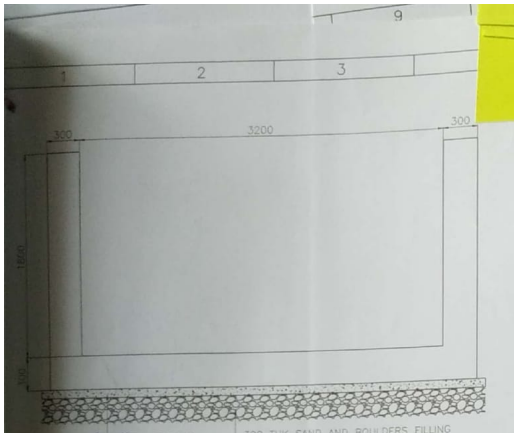
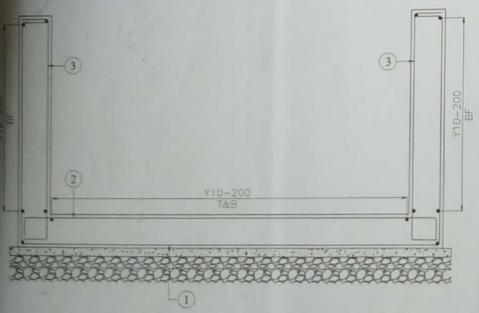
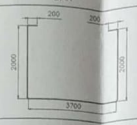
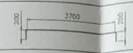
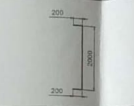


TYPICAL C/S OF U-SHAPE DRAIN
CONCRETE OUTLINE



TYPICAL C/S OF U-SHAPE DRAIN
REINF DETAILS

SCHEDULE OF BAR LENGTH

ITEM NO	BAR	BAR ⌀	SPACING IN MM	CUT LENGTH IN MM
1		16⌀	175	8100
2		12⌀	150	4100
3		10⌀	150	2400

NOTES:
1. ALL DIMENSIONS ARE IN MM & REDUCE LEVEL ARE IN METERS.
2. DIMENSIONS ARE NOT TO BE SCALED, WRITTEN DIMENSION SHALL BE FOLLOWED.
3. THE NET SBC OF 10 T/SQM IS ASSUMED FOR THE DESIGN AND SAME SHALL BE ENSURED AT SITE BEFORE EXECUTION OF THE WORK.
4. GRADE OF CONCRETE FOR PCC SHALL BE M10 UNLESS OTHERWISE SPECIFIED.
5. GRADE OF CONCRETE FOR RCC SHALL BE M25.
6. MINIMUM COVER TO REINFORCEMENT SHALL BE 50MM.
7. ALL REINFORCEMENT SHALL BE HIGH YIELD STRENGTH DEFORMED BARS OF GRADE Fe500 CONFIRMING TO IS:1786.
8. REINF IF REQD SHALL BE MARGINALLY SHIFTED OR BENT, BUT IN NO CASE SHALL BE CUT WITHOUT PRIOR APPROVAL OF ENGINEER.
9. LAPS SHALL BE PREFERABLY STAGGERED SO THAT NOT MORE THAN 50% BARS ARE LAPPED AT SAME LOCATION.
10. DEVELOPMENT LENGTH/LAP LENGTH SHALL BE 50 TIMES DIA OF SMALLER BAR LAPPED.
11. THE LOCATION AND PROVISION OF CONSTRUCTION JOINT SHALL BE APPROVED BY ENGINEER INCHARGE.
12. ANY DESCRIPENCIES FOUND IN THE DRAWING SHALL BE BROUGHT TO THE NOTICE OF CONCERNED ENGINEER BEFORE EXECUTION.

LEGENDS:
G.L – GROUND LEVEL
TYP – TYPICAL
THK – THICK
REINF– REINFORCEMENT
BF – BOTH FACE
T&B – TOP AND BOTTOM

"Approved"
Chief Engineer
Storm Water Drain
Bruhath Bangalore Mahanagara Palike
BANGALORE.

Executive Engineer
Storm Water Drain Division
Dasarahalli Zone BBMP Bangalore

Assistant Executive Engineer
Storm Water Drains Sub-Division,
Dasarahalli Zone, BBMP Bengaluru

AGAMYA ENGINEERING SERVICES LLP

NAME OF THE WORK:
CONSTRUCTION OF RCC CULVERT & U SHAPE DRAIN FOR SECONDARY SWD BETWEEN SETTVHALLI & CHIKKASANDRA VILLAGE IN SETTVHALLI WARD NO.12
U SHAPE DRAIN RC DETAILS

CLIENT:
BRUHAT BENGALURU MAHANAGARA PALIKE

PMC CONSULTANTS:
AES AGAMYA
AGAMYA Engineering Services LLP
#376, 1st Main, 3rd Floor, TNRTS Building,
Jagajyothi Nagar Jnanabharathi post,
Nagadevanahalli Bangalore-560056

DESIGN:	DRAWN:	CHECK:	APPR:	DATE:	06-05-2017	JOB NO.:		REV:
RP	AR	SV	NJ	SCALE:	1:30	DWG. NO.:	BBMP-AES-WARD12-CV-001	0

SIZE-A3

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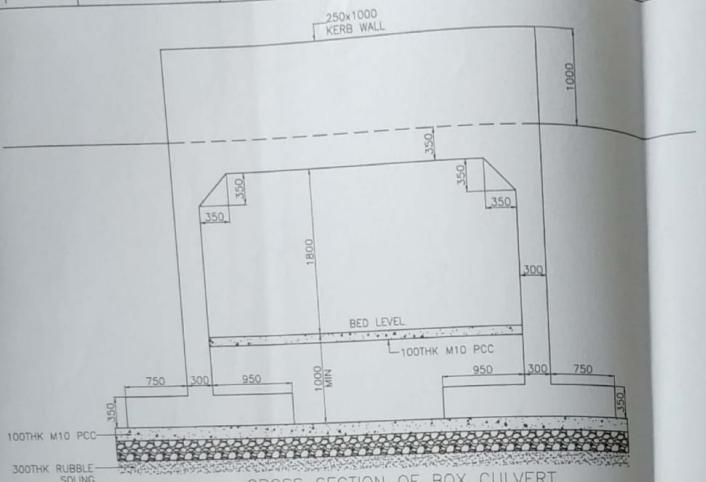
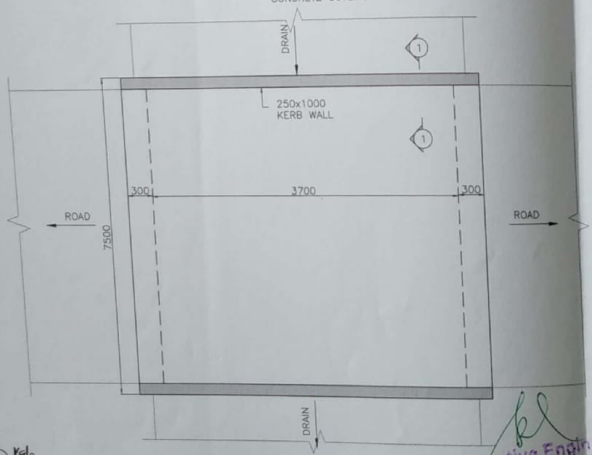


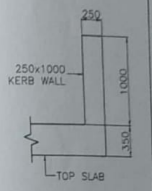
CROSS SECTION OF BOX CULVERT

CONCRETE OUTLINE



PLAN OF BOX CULVERT

CONCRETE OUTLINE



SECTION 1–1

CONCRETE OUTLINE

NOTES:

1. ALL DIMENSIONS ARE IN MM & REDUCE LEVEL ARE IN METERS.
2. DIMENSIONS ARE NOT TO BE SCALED. WRITTEN DIMENSION SHALL BE FOLLOWED.
3. THE NET SBC OF 10 T/SQM IS ASSUMED FOR THE DESIGN AND SAME SHALL BE ENSURED AT SITE BEFORE EXECUTION OF THE WORK.
4. GRADE OF CONCRETE FOR PCC SHALL BE M10 UNLESS OTHERWISE SPECIFIED.
5. GRADE OF CONCRETE FOR RCC SHALL BE M35.
6. MINIMUM COVER TO REINFORCEMENT SHALL BE 50MM.
7. ALL REINFORCEMENT SHALL BE HIGH YIELD STRENGTH DEFORMED BARS OF GRADE Fe500 CONFIRMING TO IS:1786.
8. REINF IF REQD SHALL BE MARGINALLY SHIFTED OR BENT, BUT IN NO CASE SHALL BE CUT WITHOUT PRIOR APPROVAL OF ENGINEER.
9. LAPS SHALL BE PREFERABLY STAGGERED SO THAT NOT MORE THAN 50% BARS ARE LAPPED AT SAME LOCATION.
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NAME OF THE WORK:

CONSTRUCTION OF RCC CULVERT & U SHAPE DRAIN FOR SECONDARY SWD BETWEEN SETTVHALLI & CHIKKASANDRA VILLAGE IN SETTVHALLI WARD NO.12
CULVERT RC DETAILS

CLIENT:

BRUHAT BENGALURU MAHANAGARA PALIKE

PMC CONSULTANTS:

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#378, 1st Main, 3rd Floor, TNRTS Building,
Jagajyothi Nagar Jnanabharathi post,
Nagadevanahalli Bangalore–560056

DESIGN:	DRAWN:	CHECK:	APPR:	DATE:	05-05-2017	JOB NO.:		REV:
RP	AR	SV	NJ	SCALE:	1:40	DWG. NO.:	BBMP-AES-WARD12-CV-002	0

SIZE-A3

Executive Engineer
Storm Water Drain Division
Dasarahalli Zone BBMP Bangal

Assistant Executive Engineer
Storm Water Drains Sub-Division, 2
Dasarahalli Zone, BBMP,Bengaluru

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